

Program Purpose

The purpose of the Diesel Technology program is to prepare individuals to apply technical knowledge and skills to repair, service, and maintain diesel engines in vehicles such as automobiles, buses, ships, trucks, railroad locomotives, and construction equipment; as well as stationary diesel engines in electrical generators and related equipment.

Occupational Data

Graduates in the diesel technology program can be employed as diesel technicians in the automotive or transportation industries. Employment for diesel technicians is projected to grow by 8% from 2020 to 2030. The median pay for diesel technicians is \$48,960 per year or \$23.41 per hour (<https://www.bls.gov/ooh/installation-maintenance-and-repair/diesel-service-technicians-and-mechanics.htm#:~:text=in%20May%202021.-,Job%20Outlook,on%20average%2C%20over%20the%20decade.>)

Admissions Requirements

Applicants to this program must complete the application procedures. While a high school diploma, in accordance with ACCS Board of Trustees Policy or GED is the preferred entry requirement, applicants who did not receive a high school diploma or GED may be admitted provided they are 16 years of age, have been out of school for one year (or upon recommendation of the local superintendent), and they must demonstrate ability-to-benefit (ATB) on a standardized, federally approved entrance test. Applicants admitted under ATB provision must obtain the GED prior to graduation.

DIESEL TECHNOLOGY-Short Term Certificate

MINIMUM CREDITS REQUIRED: 12 Semester Credit Hours

LENGTH OF PROGRAM: 1 Semester of full-time attendance

Diesel Engine Specialist

		Theory	Lab	Contact	Credit
DEM 104	Basic Engines	1	2	6	3
DEM 124	Electronic Engine Systems	1	2	6	3
DEM 126	Advanced Engines	1	2	6	3
DEM 127	Fuel Systems	1	2	6	3

MINIMUM CREDITS REQUIRED: 15 Semester Credit Hours

LENGTH OF PROGRAM: 1 Semester of full-time attendance

Preventative Maintenance Specialist

		Theory	Lab	Contact	Credit
DEM 105	Preventative Maintenance	1	2	6	3
DEM 122	Heavy Utility Vehicle	1	2	6	3
DEM 130	Electrical/Electronic Fundamentals	1	2	6	3
DEM 135	Heavy Vehicle Steering and Suspension Systems	1	2	6	3
DEM 154	Vehicle Maintenance and Safe Operating Practices	1	2	6	3

MINIMUM CREDITS REQUIRED: 12 Semester Credit Hours

LENGTH OF PROGRAM: 1 Semester of full-time attendance

Transportation Trailer Technician

		Theory	Lab	Contact	Credit
DEM 113	Trailer Maintenance and Inspection	1	2	6	3
DEM 121	Trailer Air Brakes and Suspension	1	2	6	3
DEM 136	Trailer Electrical Systems	1	2	6	3
DEM 156	CDL License Test Preparation	3	0	3	3

MINIMUM CREDITS REQUIRED: 12 Semester Credit Hours

LENGTH OF PROGRAM: 1 Semester of full-time attendance

Diesel Technology Diesel Heavy Utility Specialist

		Theory	Lab	Contact	Credit
DEM 220	Heavy Utility Vehicle Safety	1	2	6	3
DEM 222	Heavy Utility Vehicle Fluid Power I	1	2	6	3
DEM 223	Heavy Utility Vehicle Fluid Power II	1	2	6	3
DEM 224	Heavy Utility Vehicle Body Electrical Systems	1	2	6	3